

# Chapter 26 Review

Grade: 9th

Subject: Earth Science

Date: 5/1



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1 Stars organized into patterns are called \_\_\_\_\_.

Constellations

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2 Days are caused by the Earth's \_\_\_\_\_.

rotation

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3 The seasons are caused by ....

- A Earth's distance from the sun
- ☒ B the tilt of Earth's axis
- C the sun's temperature
- D the calender

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4 Which of the following is a tool that is used by astronomers to study radiation?

- A a computer model
- ☒ B a ground-based telescope
- C a Foucault telescope
- D a calender

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5 Which of the following is evidence of Earth's revolution?

- A the Foucault pendulum
- B the Coriolis effect
- C night and day
- ☒ D constellation movement

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6 Which of the following forms of radiation can be shielded by Earth's atmosphere?

- ☒ A gamma rays
- ☐ B radio waves
- ☐ C visible light
- ☐ D all of the above

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7 Which of the following is not a space telescope?

- ☐ A Hubble space telescope
- ☐ B Chandra x-ray observatory
- ☒ C challenger
- ☐ D spitzer space telescope

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8 Which of the following marks the beginning of spring in the Northern Hemisphere?

- ☒ A vernal equinox
- ☐ B autumnal equinox
- ☐ C summer solstice
- ☐ D winter solstice

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9 Which of the following is evidence of Earth's rotation?

- ☐ A the Foucault pendulum
- ☐ B day and night
- ☐ C the coriolis effect
- ☒ D all of the above

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- 10 At aphelion, Earth is 152,000,000 km from the sun. At perihelion, the two bodies are 147,000,000 km apart. What is the difference in kilometers between Earth's farthest point from the sun and Earth's closest point to the sun?

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- 11 A certain star is  $1.135 \times 10^{14}$  km away from Earth. If light travels at  $9.4607 \times 10^{12}$  km per year, how long will it take for light from the star to reach Earth (approximately in years)?

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